

IN THE UNITED STATES PATENT & TRADEMARK OFFICE

ATTORNEY DOCKET NUMBER: 200310065-1

IN RE APPLICATION OF: U.S. Patent No. 7,018,050

USPTO CONFIRMATION CODE: 9175

APPLICATION NO.: 10/657,527

FILED: Sep. 08, 2003

EXAMINER: W. B. Perkey

GROUP ART UNIT: 2851

FOR: SYSTEM AND METHOD FOR CORRECTING LUMINANCE NON-UNIFORMITY OF OBLIQUELY PROJECTED IMAGES

37 CFR 1.322 & 37 CFR 1.323 REQUEST FOR CERTIFICATE OF CORRECTION

HONORABLE COMMISSIONER OF PATENTS & TRADEMARKS

Sir:

The following is a request for a certificate of correction in Serial Number 10/657,527, now Patent Number 7,018,050.

A certificate of correction under 35 USC 254 is respectfully requested in the above-identified patent.

All errors were the fault of the USPTO, no fee required. In the event that a further fee is required, please charge the amount to Deposit Account No. 082025.

All errors were the fault of the applicant and, accordingly, please charge \$100.00 to our Deposit Account No. 082025. In the event that a further fee is required, please charge the amount to the same Deposit Account.

The errors were the fault of both the applicant and USPTO and, accordingly, please charge \$100.00 to our Deposit Account No. 082025. In the event that a further fee is required, please charge the amount to the same Deposit Account.

The exact locations where the errors appear in the patent and patent application are as follows:

On the face page, in field (57), under "ABSTRACT", in column 2, line 7, delete "attends" and insert -- subtends --, therefor.  
 (Abstract filed on Sep. 8, 2003, page 24, line 7)

In column 3, line 58, after "type of" delete "is".  
 (Specification filed on Sep. 8, 2003, page 5, line 15)

$$\begin{bmatrix} X_p W \\ Y_p W \\ W \end{bmatrix} = \begin{bmatrix} h_1 & h_2 & h_3 & X_p \\ h_4 & h_5 & h_6 & Y_p \\ h_7 & h_8 & h_9 & 1 \end{bmatrix} \quad (11)$$

In column 6, lines 1-7, delete " " and

$$\begin{bmatrix} X_{p1} & Y_{p1} & 1 & 0 & 0 & 0 & -X_{p1}X_{c1} & -Y_{p1}X_{c1} & -X_{c1} \\ 0 & 0 & 0 & X_{c1} & Y_{c1} & 1 & -X_{p1}Y_{c1} & -Y_{p1}Y_{c1} & -Y_{c1} \\ X_{p2} & Y_{p2} & 1 & 0 & 0 & 0 & -X_{p2}X_{c2} & -Y_{p2}X_{c2} & -X_{c2} \\ 0 & 0 & 0 & X_{c2} & Y_{c2} & 1 & -X_{p2}Y_{c2} & -Y_{p2}Y_{c2} & -Y_{c2} \\ X_{p3} & Y_{p3} & 1 & 0 & 0 & 0 & -X_{p3}X_{c3} & -Y_{p3}X_{c3} & -X_{c3} \\ 0 & 0 & 0 & X_{c3} & Y_{c3} & 1 & -X_{p3}Y_{c3} & -Y_{p3}Y_{c3} & -Y_{c3} \\ X_{p4} & Y_{p4} & 1 & 0 & 0 & 0 & -X_{p4}X_{c4} & -Y_{p4}X_{c4} & -X_{c4} \\ 0 & 0 & 0 & X_{c4} & Y_{c4} & 1 & -X_{p4}Y_{c4} & -Y_{p4}Y_{c4} & -Y_{c4} \end{bmatrix} \begin{bmatrix} h_1 \\ h_2 \\ h_3 \\ h_4 \\ h_5 \\ h_6 \\ h_7 \\ h_8 \\ h_9 \end{bmatrix} = \begin{bmatrix} 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \end{bmatrix}$$

insert -- --, therefor.

(Specification filed on Sep. 8, 2003, page 9, lines 1-2)

$$\begin{bmatrix} X_{p1} & Y_{p1} & 1 & 0 & 0 & 0 & -X_{p1}X_{c1} & -Y_{p1}X_{c1} & -X_{c1} \\ 0 & 0 & 0 & X_{c1} & Y_{c1} & 1 & -X_{p1}Y_{c1} & -Y_{p1}Y_{c1} & -Y_{c1} \\ X_{p2} & Y_{p2} & 1 & 0 & 0 & 0 & -X_{p2}X_{c2} & -Y_{p2}X_{c2} & -X_{c2} \\ 0 & 0 & 0 & X_{c2} & Y_{c2} & 1 & -X_{p2}Y_{c2} & -Y_{p2}Y_{c2} & -Y_{c2} \\ X_{p3} & Y_{p3} & 1 & 0 & 0 & 0 & -X_{p3}X_{c3} & -Y_{p3}X_{c3} & -X_{c3} \\ 0 & 0 & 0 & X_{c3} & Y_{c3} & 1 & -X_{p3}Y_{c3} & -Y_{p3}Y_{c3} & -Y_{c3} \\ X_{p4} & Y_{p4} & 1 & 0 & 0 & 0 & -X_{p4}X_{c4} & -Y_{p4}X_{c4} & -X_{c4} \\ 0 & 0 & 0 & X_{c4} & Y_{c4} & 1 & -X_{p4}Y_{c4} & -Y_{p4}Y_{c4} & -Y_{c4} \end{bmatrix} \begin{bmatrix} h_1 \\ h_2 \\ h_3 \\ h_4 \\ h_5 \\ h_6 \\ h_7 \\ h_8 \\ h_9 \end{bmatrix} = \begin{bmatrix} 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \end{bmatrix}$$

In column 6, lines 24-35, delete " " and

$$\begin{bmatrix} X_p W \\ Y_p W \\ W \end{bmatrix} = \begin{bmatrix} h_1 & h_2 & h_3 & X_p \\ h_4 & h_5 & h_6 & Y_p \\ h_7 & h_8 & h_9 & 1 \end{bmatrix} \quad (11)$$

and insert -- --, therefor.

(Specification filed on Sep. 8, 2003, page 9, lines 11-12)

In column 14, line 4, in Claim 3, delete "far" and insert -- for --, therefor.  
 (Amendment to claims filed on Oct. 14, 2005, page 3, in Claim 3, line 4)

In column 14, line 8, in Claim 4, delete "stop" and insert -- step --, therefor.  
 (Amendment to claims filed on Oct. 14, 2005, page 3, in Claim 4, line 1)

In column 14, line 50, in Claim 7, delete "or ray" and insert - - array --, therefor.  
(Amendment to claims filed on Oct. 14, 2005, page 5, in Claim 7, line 4)

The requested corrections are attached on Form PTO 1050.

Respectfully Submitted

11/1/10  
DATE

*Denise A. Lee*  
Name: Denise A Lee  
Registration No.: 35,931

Attorney/Agent of Record

HEWLETT-PACKARD COMPANY  
Intellectual Property Administration  
3404 E. Harmony Road  
Mail Stop 35  
Fort Collins, CO 80528

**UNITED STATES PATENT AND TRADEMARK OFFICE**  
**CERTIFICATE OF CORRECTION**

Page 1 of 2

PATENT NO. : 7,018,050

APPLICATION NO. : 10/657,527

ISSUE DATE : Mar. 28, 2006

INVENTOR(S) : Robert Alan Ulichney et al.

It is certified that an error appears or errors appear in the above-identified patent and that said Letters Patent is hereby corrected as shown below:

On the face page, in field (57), under "ABSTRACT", in column 2, line 7, delete "attends" and insert -- subtends --, therefor.

In column 3, line 58, after "type of" delete "is".

In column 6, lines 1-7, delete  $\begin{bmatrix} x_p \\ y_p \\ w \end{bmatrix} = \begin{bmatrix} h_1 & h_2 & h_3 \\ h_4 & h_5 & h_6 \\ h_7 & h_8 & h_9 \end{bmatrix} \begin{bmatrix} x_p \\ y_p \\ 1 \end{bmatrix}$  (11) and

$x_{pl}$	$y_{pl}$	1	0	0	0	$-x_{pl}x_{el}$	$-y_{pl}x_{el}$	$-x_{el}$	$h_1$	0
0	0	0	$x_{el}$	$y_{el}$	1	$-x_{pl}y_{el}$	$-y_{pl}y_{el}$	$-y_{el}$	$h_2$	0
$x_{pl}$	$y_{pl}$	1	0	0	0	$-x_{pl}x_{el}$	$-y_{pl}x_{el}$	$-x_{el}$	$h_3$	0
0	0	$x_{el}$	$y_{el}$	1	$-x_{pl}y_{el}$	$-y_{pl}y_{el}$	$-y_{el}$	$h_4$	0	
$x_{pl}$	$y_{pl}$	1	0	0	0	$-x_{pl}x_{el}$	$-y_{pl}x_{el}$	$-x_{el}$	$h_5$	0
0	0	$x_{el}$	$y_{el}$	1	$-x_{pl}y_{el}$	$-y_{pl}y_{el}$	$-y_{el}$	$h_6$	0	
$x_{pl}$	$y_{pl}$	1	0	0	0	$-x_{pl}x_{el}$	$-y_{pl}x_{el}$	$-x_{el}$	$h_7$	0
0	0	$x_{el}$	$y_{el}$	1	$-x_{pl}y_{el}$	$-y_{pl}y_{el}$	$-y_{el}$	$h_8$	0	
$x_{pl}$	$y_{pl}$	1	0	0	0	$-x_{pl}x_{el}$	$-y_{pl}x_{el}$	$-x_{el}$	$h_9$	0

insert -- --, therefor.

MAILING ADDRESS OF SENDER (Please do not use customer number below):

HEWLETT-PACKARD COMPANY  
 Intellectual Property Administration  
 3404 E. Harmony Road  
 Mail Stop 35  
 Fort Collins, CO 80528

This collection of information is required by 37 CFR 1.322, and 1.323, and 1.324. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 1.0 hour to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Attn: Office of Corrections Branch, Commissioner for Patent, P.O. Box 1450, Alexandria, VA 22313-1450.

UNITED STATES PATENT AND TRADEMARK OFFICE  
CERTIFICATE OF CORRECTION

Page 2 of 2

PATENT NO. : 7,018,050

APPLICATION NO. : 10/657,527

ISSUE DATE : Mar. 28, 2006

INVENTOR(S) : Robert Alan Ulichney et al.

It is certified that an error appears or errors appear in the above-identified patent and that said Letters Patent is hereby corrected as shown below:

$x_{p1}$	$y_{p1}$	1	0	0	0	$-x_{p1}x_{c1}$	$-y_{p1}x_{c1}$	$-z_{p1}x_{c1}$	$h_1$	0
0	0	0	$x_{c1}$	$y_{c1}$	1	$-x_{p1}y_{c1}$	$-y_{p1}y_{c1}$	$-z_{p1}y_{c1}$	$h_2$	0
$x_{p2}$	$y_{p2}$	1	0	0	0	$-x_{p2}x_{c2}$	$-y_{p2}x_{c2}$	$-z_{p2}x_{c2}$	$h_3$	0
0	0	0	$x_{c2}$	$y_{c2}$	1	$-x_{p2}y_{c2}$	$-y_{p2}y_{c2}$	$-z_{p2}y_{c2}$	$h_4$	0
$x_{p3}$	$y_{p3}$	1	0	0	0	$-x_{p3}x_{c3}$	$-y_{p3}x_{c3}$	$-z_{p3}x_{c3}$	$h_5$	0
0	0	0	$x_{c3}$	$y_{c3}$	1	$-x_{p3}y_{c3}$	$-y_{p3}y_{c3}$	$-z_{p3}y_{c3}$	$h_6$	0
$x_{p4}$	$y_{p4}$	1	0	0	0	$-x_{p4}x_{c4}$	$-y_{p4}x_{c4}$	$-z_{p4}x_{c4}$	$h_7$	0
0	0	0	$x_{c4}$	$y_{c4}$	1	$-x_{p4}y_{c4}$	$-y_{p4}y_{c4}$	$-z_{p4}y_{c4}$	$h_8$	0
									$h_9$	0

In column 6, lines 24-35, delete " and

$$\begin{bmatrix} x_{p1}w \\ y_{p1}w \\ w \end{bmatrix} = \begin{bmatrix} h_1 & h_2 & h_3 \\ h_4 & h_5 & h_6 \\ h_7 & h_8 & h_9 \end{bmatrix} \begin{bmatrix} x_p \\ y_p \\ 1 \end{bmatrix} \quad (11)$$

insert - - - - , therefor.

In column 14, line 4, in Claim 3, delete "far" and insert - - for - -, therefor.

In column 14, line 8, in Claim 4, delete "stop" and insert - - step - -, therefor.

In column 14, line 50, in Claim 7, delete "or ray" and insert - - array - -, therefor.

## MAILING ADDRESS OF SENDER (Please do not use customer number below):

HEWLETT-PACKARD COMPANY  
Intellectual Property Administration  
3404 E. Harmony Road  
Mail Stop 35  
Fort Collins, CO 80528

This collection of information is required by 37 CFR 1.323, and 1.323. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process an application) confidentially as governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 1 b hour to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Attention Certificate of Corrections Branch, Commissioner for Patent, P.O. Box 1450, Alexandria, VA 22313-1450.